

[0043]

Sequence list

<110> Applicant name : President of Nara Institute of Science and Technology

<120> Title of the invention : A GENE WHICH EXHIBITS INDUCED EXPRESSION BY STRESS

<160> The number of sequences : 3

<210> SEQ ID NO: 1

<211> The length of the sequence : 308

<212> Type of the sequence : amino acid

<213> Origin : The leaf of Nicotiana tabacum cv.Xanthi nc

<400> Sequence

MLTRGLLFAC VLLLVTLISS SKAQDISQCV PSSCGDIQIK FPFRLRTDPE HCGRRGYELD	60
CQNNQTVFNY KSRIFDVQEI NYRSYSIRLL DPGLNDQREN CTVFPNHRAS YDAMTSQIFE	120
WVRVNNDINY VNCLAPINSS QYIPTSFCCK NSTGFSYLV IREILQASDLA GGCRVETVAW	180
SSAPGISSNK SSTLSSTHQG LAYGFELSWK RNLLCRNCDR SRGGECTIEE NSDRATCRYW	240
CKEDIHVKSL TFRCKVEYYS VYVLFFGGIG IGGVLAXRFL LGIPILIAAV VWQCKRRNLH	300
TSSDEQNC	308

<210> SEQ ID NO: 2

<211> The length of the sequence : 927

<212> Type of the sequence : nucleic acid

<213> Origin : The leaf of *Nicotiana tabacum* cv. Xanthi nc

<400> Sequence

ATGTTGACAA GAGGGCTGCT TTTCGCTTGT GTTTTGTTAC TTGTGACACT CATAAGCAGT	60
TCTAAAGCGC AGGATATTTT TCAATGTGTC CTTCTTCCT GCGGTGATAT TCAAATAAAA	120
TTTCCCTTCC GACTGAGGAC TGATCCCGAG CATTGTGGTA GACGCGGATA TGAGCTCGAT	180
TGCCAGAACA ACCAAACCGT GTTCAATTAC AAATCCAGAA TTTTCGACGT ACAGGAAATT	240
AACTACAGAA GCTACTCAAT AAGGCTACTT GATCCTGGCC TAAATGATCA GAGAGAAAAT	300
TGCACAGTTT TTCCAATCA CAGGGCAAGT TATGATGCCA TGACTAGCCA AATCTTTGAA	360
TGGGTTCGTG TTAACAATGA TATCAACTAT GTCAACTGTC TAGCTCCTAT CAATTCGTCA	420
CAGTATATTC CTACAAGTTT TTGTAGCAAA AATTCAACGG GTTTTAGCTA CCTTGTCATA	480
AGAGAAATAT TGCAAGCTTC GGATTTGGCT GCGGCTGTA GGGTTGAAAC TGTTGCATGG	540
TCCTCTGCTC CAGGCATTTT ATCAAACAAG TCGTCTACGT TATCAAGCAC ACATCAAGGC	600
CTGGCTTATG GGTTTGAGCT TTCTTGGAAG CGTAATCTGT TATGTAGAAA TTGCGACCGG	660
AGTCGTGGGG GTGAGTGAC TATTGAAGAA AACAGCGACA GAGCTACTTG TCGTTATTGG	720
TGCAAAGAGG ACATTCACGT TTCGAAGCTT ACGTTCCGAT GCAAAGTCGA GTACTATTCT	780
GTTTATGTAT TGTTCTTTGG CGGTATAGGA ATAGGTGGAG TTTTGGCGCT AAGATTTCTA	840
CTAGGAATTC CAATCTTGAT CGCAGCAGTG GTGTGGCAGT GCAAAGACG GAATTTGCAT	900
ACATCCTCCG ATGAACAGAA CTGTTAA	927

00136 (2000-71,655)

<210> SEQ ID NO: 3

<211> The length of the sequence : 1210

<212> Type of the sequence : nucleic acid

<213> Origin : The leaf of *Nicotiana tabacum* cv. Xanthi nc

<400> Sequence

TATATTCAAT TGAAAAACATG TTGACAAGAG GGCTGCTTTT CGCTTGTGTT TTGTTACTTG 60
TGACACTCAT.AAGCAGTTCT AAAGCGCAGG ATATTTCTCA ATGTGTCCCT TCTTCCTGCG 120
GTGATATTCA AATAAAATTT CCCTTCCGAC TGAGGACTGA TCCCGAGCAT TGTGGTAGAC 180
GCGGATATGA GCTCGATTGC CAGAACAACC AAACCGTGTT CAATTACAAA TCCAGAATTT 240
TCGACGTACA GGAAATTAAC TACAGAAGCT ACTCAATAAG GCTACTTGAT CCTGGCCTAA 300
ATGATCAGAG AGAAAATTGC ACAGTTTTTC CAAATCACAG GGCAAGTTAT GATGCCATGA 360
CTAGCCAAAT CTTTGAATGG GTTCGTGTTA ACAATGATAT CAACTATGTC AACTGTCTAG 420
CTCCTATCAA TTCGTACAG TATATTCCTA CAAGTTTTTG TAGCAAAAAT TCAACGGGTT 480
TTAGCTACCT TGTCTAAGA GAAATATTGC AAGCTTCGGA TTTGGCTGGC GGCTGTAGGG 540
TTGAACTGT TGCATGGTCC TCTGCTCCAG GCATTTTCATC AAACAAGTCG TCTACGTTAT 600
CAAGCACACA TCAAGGCCTG GCTTATGGGT TTGAGCTTTC TTGGAAGCGT AATCTGTTAT 660
GTAGAAATTG CGACCGGAGT CGTGGGGGTG AGTGCACTAT TGAAGAAAAC AGCGACAGAG 720
CTACTTGTCG TTATTGGTGC AAAGAGGACA TTCACGTTTC GAAGCTTACG TTCCGATGCA 780
AAGTCGAGTA CTATTCTGTT TATGTATTGT TCTTTGGCGG TATAGGAATA GGTGGAGTTT 840
TGGCGCTAAG ATTTCTACTA GGAATTCCAA TCTTGATCGC AGCAGTGGTG TGGCAGTGCA 900
AAAGACGGAA TTTGCATACA TCCTCCGATG AACAGAACTG TTAAGATTTT TGCTAGTCAA 960
GCTATTTTAA CAGAAGTTTG TGTATTTTTT TCAGAAAATC TAGGACAAGG TCAACCTGTG 1020
CTGGCGATTA ATTACTAGGA TTTTCTTTTC CAGTTTAGTC CTGTATTTTA TTTGATATTC 1080
TTACCTATTT GATTGTGTAT GATTTTTTTC CTTAAAATTT TATAATTTTC CTAATTCTTG 1140
TAAGTAATTG AATGGATATT TGTAATTTCT GTCAATAATA GAACAAGACA TTCGCAAAAA 1200
AAAAAAAAAA 1210